

AMENDMENTS TO THE CLAIMS

Please **AMEND** claim 9 as shown below.

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. – 8. (Cancelled)

9. (Currently Amended) A material comprising a carbon foam manufactured by a process comprising:

heating particulate coal in a pressurized non-oxidizing atmosphere having a pressure in the range of about 50 psi to about 500 psi, to a temperature in the range about 300° C to about 600° to form a green foam; and

carbonizing said green foam to form a carbonized foam by heating said green foam to a temperature ~~above~~ ranging from about 600°C to about 800°C, and soaking at this temperature for about 2 to about 30 minutes, thereby producing a ~~until said~~ carbonized foam which exhibits a dielectric constant in the range of about 2 to about 6 and an electrical resistivity in the range of about $1.E^{+00}$ ohm-cm to about $1.E^{+06}$ ohm-cm.

10. (Previously Presented) The material of claim 9 wherein said particulate coal exhibits a free swell index of between about 3.75 and about 4.5.

11. (Previously Presented) The material of claim 9 wherein said particulate coal exhibits a free swell index in the range of about 3.5 to about 5.

12. (Previously Presented) A body comprising:
carbon foam on a surface of said body, wherein said carbon foam has the properties of a dielectric constant in the range of about 2 to about 6 and an electrical resistivity in the range of about $1.E^{+00}$ ohm-cm to about $1.E^{+06}$ ohm-cm, when said carbon foam is used as a radar emission absorbing material.

13. (Cancelled)

14. (Previously Presented) A material comprising a carbon foam having a dielectric constant from about 2 to about 6 and an electrical resistivity from about $1.E^{+00}$ ohm-cm to about $1.E^{+06}$ ohm-cm when said material is used as a radar emissions absorbing material.

15. (Previously Presented) The material of claim 14 wherein said carbon foam is prepared from at least one selected from the group consisting of: particulate coal, coal tar pitch, petroleum pitch and carbonized polymeric materials.

16. (Previously Presented) The material of claim 14 wherein said carbon foam is a coal-based carbon foam.

17. (Previously Presented) The material of claim 14 wherein said carbon foam is derived from particulate coal exhibiting a free swell index from about 3.5 to about 5.0.

18. (Previously Presented) The material of claim 14 wherein said coal-based carbon foam is a porous coal-based product having a density ranging from about 0.1 g/cm³ to about 0.8 g/cm³.